

Having described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. A counterfeit detection device for magnifying and observing the detailed security features of a document having at least one security feature wherein;  
said counterfeit detection device is comprised of at least an omni-directional magnification lens having at least a  
5 first surface, a second surface, and an object plane located proximate the surface of said document having at least one security feature;  
said document having at least one security feature located within a document locating feature of said counterfeit detection device proximate said object plane;
- a light source located distal to said document having at least one security feature wherein said light source  
10 illuminates from a rearward side of said document having at least one security feature;  
said rearward side illumination being useful for viewing watermarks, microprinting, internal polyester threads with printing and microprinting, internal polyester thread fluorescence, split images and the like; and  
said light source being connected to a power source causal to illuminate said light source and said reward side of said document having at least one security feature.
2. The counterfeit detection device of claim 1, wherein said omni-directional magnification lens is surrounded by an ambient light blocking shroud.
3. The counterfeit detection device of claim 1, wherein said omnidirectional magnification lens has a first surface which is largely spherical and a second surface which is largely planar.
4. The counterfeit detection device of claim 1, wherein a power supply connecting switch is located between said power source and said light source.
5. The counterfeit detection device of claim 1, wherein said light source is chosen from at least one of the group consisting of a broad spectrum visible light source, a narrow wavelength visible light source and an ultraviolet light source.
6. The counterfeit detection device of claim 5, wherein a reflective mirror is located between the document having at least one security feature and said omni-directional magnification lens;  
said reflective mirror being disposed to reflect light on to a front surface of said document having at least one security feature to illuminate front surface specific security features; and  
illumination of said front surface being useful for viewing microprinting, polyester thread fluorescence, and color changing inks.
- 30 7. The counterfeit detection device of claim 6, wherein said reflective mirror is moveable for directing said light to specific areas of said front surface of said document having at least one security feature; and  
said reflective mirror movement additionally being able to block the path of said light toward said front surface of said document having at least one security feature.
8. The counterfeit detection device of claim 7, wherein said reflective mirror additionally has a front illuminating light source affixed thereon;

5 said reflective mirror serving to direct light from said front illuminating light source toward the front surface of  
said document having at least one security feature; and

10 said front illuminating light source being chosen from the group consisting of a broad spectrum visible light source,  
a narrow wavelength visible light source and an ultraviolet light source.

15 9. The counterfeit detection device of claim 1, wherein said omni-directional magnifying lens has an ultraviolet  
filter proximate said second surface.

20 10. The counterfeit detection device of claim 1, wherein said omni-directional magnifying lens is a zoom lens for  
magnifying said document having at least one security feature with a variable magnification.

25 11. A counterfeit detection device for magnifying and observing the detailed security features of a document  
having at least one security feature wherein;

30 12. said counterfeit detection device is comprised of at least an omni-directional magnification lens having at least a  
first surface, a second surface, and an object plane located proximate the surface of said document having at  
least one security feature;

35 13. said omni-directional lens being mounted in a lens shroud useful for blocking ambient light;

40 14. said lens shroud further having a document locating feature proximate said object plane;

45 15. said lens shroud additionally having a pivotal feature to allow said omni-directional lens and shroud to be pivoted  
away from said document having at least one security feature;

50 16. said pivotal feature being useful for viewing features such as watermarks and the like unmagnified within said  
document having at least one security feature;

55 17. a light source located distal to said document having at least one security feature wherein said light source  
illuminates from a rearward side of said document having at least one security feature;

60 18. said rearward side illumination being useful for viewing watermarks, microprinting, internal polyester threads with  
printing and microprinting, internal polyester thread fluorescence and split images; and

65 19. said light source is connected to a power source causal to illuminate said light source and said reward side of said  
document having at least one security feature.

70 20 21. 12. The counterfeit detection device of claim 11, wherein said omnidirectional magnification lens has a first  
surface which is largely spherical and a second surface which is largely planar.

75 22. 13. The counterfeit detection device of claim 11, wherein a power supply connecting switch is located between  
said power source and said light source.

80 23. 14. The counterfeit detection device of claim 11, wherein said light source is chosen from at least one of the group  
consisting of a broad spectrum visible light source, a narrow wavelength visible light source and an ultraviolet  
light source.

85 24. 15. The counterfeit detection device of claim 14, wherein a reflective mirror is located between the document  
having at least one security feature and said omni-directional magnification lens;

90 25. 16. said reflective mirror being disposed to reflect light on to a front surface of said document having at least one  
security feature to illuminate front surface specific security features; and

illumination of said front surface being useful for viewing microprinting, polyester thread fluorescence, and color changing inks.

16. The counterfeit detection device of claim 15, wherein said reflective mirror is moveable for directing said light to specific areas of said front surface of said document having at least one security feature; and  
5           said reflective mirror movement additionally being able to block the path of said light toward said front surface of said document having at least one security feature.
17. The counterfeit detection device of claim 16, wherein said reflective mirror additionally has a front illuminating light source affixed thereon;  
said reflective mirror serving to direct light from said front illuminating light source toward the front surface of  
10           said document having at least one security feature; and  
              said front illuminating light source being chosen from the group consisting of a broad spectrum visible light source, a narrow wavelength visible light source and an ultraviolet light source.
18. The counterfeit detection device of claim 11, wherein said omni-directional magnifying lens has an ultraviolet filter proximate said second surface.
19. The counterfeit detection device of claim 11, wherein said omni-directional magnifying lens is a zoom lens for magnifying said document having at least one security feature with a variable magnification.

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